



1634  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: A.G. Uitterlinden et al. Attorney Docket No.: KILS117128  
Application No.: 09/786,991 Group Art Unit: 1634  
Filed: May 10, 2001 Examiner: S.A. Sakelaris  
Title: METHOD FOR DETERMINING THE SUSCEPTIBILITY TO BONE  
DAMAGE BY SCREENING POLYMORPHISMS IN THE VITAMIN D  
RECEPTOR

AMENDMENT TRANSMITTAL LETTER/  
REQUEST FOR EXTENSION OF TIME

Seattle, Washington 98101

March 13, 2003

TO THE COMMISSIONER FOR PATENTS:

A. Amendment Transmittal

Transmitted herewith is an amendment in the above-identified application.

X No additional claim fee is required, as shown below.

COMPUTATION OF FEE FOR CLAIMS AS AMENDED

	Claims Remaining After Amendment	Highest Number Previously Paid For	Present Extra	Rate	Additional Fee
Total Claims	24	41	= 0	x 9	= 0
Independent Claims	5	5	= 0	x 42	= 0
TOTAL					\$0

B. Request for Extension of Time

Applicants respectfully request that the shortened statutory period for response to the outstanding Office Action mailed October 17, 2002, set to expire on January 17, 2003, be extended by two months, to expire on March 17, 2003. The enclosed check includes the two-month extension fee of \$205.00.

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205.00 0P

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>PC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100

C. Fees Enclosed

Enclosed is our Check No. 146421 in the amount of \$205.00 to cover the extension of time fee.

D. Additional Fee Charges or Credit for Overpayment

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.18 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account No. 03-1740. This authorization also hereby includes a request for any extensions of time of the appropriate length required upon the filing of any reply during the entire prosecution of this application. A copy of this document is enclosed.

Respectfully submitted,

CHRISTENSEN O'CONNOR  
JOHNSON KINDNESS<sup>PLLC</sup>



Barry F. McGurl  
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid and addressed to the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202, on the below date.

Date: 3/13/03

Carol Julian

BFM:cj

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AMENDMENT B AND RESPONSE TO PAPER NO. 11

Seattle, Washington 98101

March 13, 2003

TO THE COMMISSIONER FOR PATENTS:

In response to the Office Action mailed October 17, 2002 (Paper No. 11), please amend the above-identified patent application as indicated below, and reconsider the application in view of the amended claims and remarks that follow.

In the Specification:

After page 17, please insert the following:

respectively at the first base of the Sp1 binding site in the first intron of the gene for COL1A1. Three anonymous polymorphic restriction enzyme recognition sites at the 3' end of the VDR gene, i.e. for *BsmI*, *ApaI* and *TaqI* were assessed in relation to each other by a direct molecular haplotyping PCR procedure which we developed<sup>11</sup>. This allowed us to determine phase of the alleles at each of the RFLP loci and as a result three frequent haplotype alleles are discerned, encoded 1 (baT; frequency 48%), 2 (BA;40%), and 3 (bAT;10%) combining to 6 genotypes encoded 11, 12, 13, 22, 23, and 33. We excluded the less frequent haplotypes 4 and 5 from the analysis. Women with genotypes containing these haplotypes (n=15) represent 1.5% of this population. Detailed information on haplotype alleles and genotype frequencies in the Rotterdam Study can be found elsewhere<sup>11</sup>.

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